

## **REMARKS/ARGUMENTS**

### **1. Claim Amendments**

The Applicant has amended claims 1-6 and 8-10. Applicant respectfully submits no new matter has been added. Accordingly, claims 1-10 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

### **2. Examiner Objections - Claims**

Claims 5 and 10 were objected to because of informalities: "according to claim [[5]] ([[10]])" respectively should be replaced with "according to claim [[5]] 1 ([[10]] 6)" respectively. The Applicant appreciates the Examiner's thorough review of the claims. The Applicant has amended the claims as suggested by the Examiner in order to correct the informalities. The Examiner's consideration of the amended claims is respectfully requested.

### **3. Claim Rejections – 35 U.S.C. §101**

The Examiner rejected claim 1 on the asserted basis that those claims are directed to non-statutory subject matter. Applicant has amended Claim 1 to direct it to statutory subject matter.

### **4. Claim Rejections – 35 U.S.C. § 102(b)**

Claims 1, 4, 5, 6, 9 and 10 stand rejected under 35 U.S.C. 102(b) as being anticipated by Faccin (WO 02/11395 A2). The Applicants have amended claims 1 and 6 to better distinguish the present invention from Faccin. Faccin discusses a general encryption mechanism for signaling, including with the mobile application part (MAP): "Ciphering will be applied to the entire MAP message except the security header, the Calling Party address, and the Called Party Address." In contrast, the present invention

applies encryption on MAP as specified in the 3GPP Technical Specification 33.200, which, notably, does not encrypt the entire MAP message.

Specifically, the present invention includes a gateway node, which interprets between the 3GPP TS 33.200 specified MAPsec and MAP. In order to perform this function, it contains an instance of the MAP and MAPsec protocol stack. This can be thought of as an application level gateway for MAP/MAPsec. It further combines a MAP firewall function for filtering unwanted MAP messages with the MAP/MAPsec gateway functionality. In contrast, Faccin does not discuss MAPsec and MAP firewalls, but rather a generalized encryption scheme.

The present invention specifically addresses MAPsec, as specified in 3GPP TS 33.200, but it is used in a gateway and adds firewall functionality, which is missing in Faccin. Claims 4-5 and 9-10 depend from amended claims 1 and 6 respectively. Hence, allowance of claims 1, 4-6 and 9-10 is respectfully requested.

#### **5. Claim Rejections – 35 U.S.C. § 103 (a)**

Claims 2 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Faccin (WO 02/11395 A2) in view of Arkko, *et al.* (US Patent 2002/0052200). As noted above, Faccin fails to disclose all of the elements of claims 1 and 6, from which claims 2 and 7 depend, respectively.

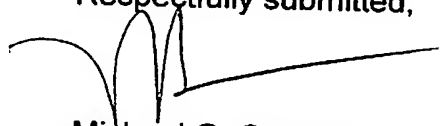
Claims 3 and 8 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Faccin (WO 02/11395 A2) in view of Valentine, *et al.* (US Patent 6,327,267). As noted above, Faccin fails to disclose all of the elements of claims 1 and 6, from which claims 3 and 8 depend, respectively. Therefore, the allowance of claims 2-3 and 7-8 is respectfully requested.

### CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael G. Cameron', with a long horizontal stroke extending to the right.

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